BOARD OF FIREFIGHTING PERSONNEL STANDARDS AND EDUCATION

Investigator I Sample Test



7/10/15

Fire Investigator

- 1. NFPA 1033, Standard for Professional Qualifications for Fire Investigator, 2009 Edition
- 2. NFPA, Guide for Fire and Explosion Investigations, NFPA 921, 2004 Edition
- 3. Jones and Bartlett, Fire Investigator Principles and Practice to NFPA 921 and 1033, 3rd ed.

1.	Preconceived determination or premature of fire are considered: A. proactive. B. preemptive. C. expectation bias. D. experience bias.	cond	clusions as to the cause or origin of the
2.	Early in an investigation multiple hypothesis are referred to as hypotheses. A. fragment C. temporary	В.	the cause of a fire are developed and working phase
3.	If a K-9 unit discovers possible indications of a substance at a fire scene, the fire investigator should: A. document that location with photographs and drawings. B. notify ATF for their assistance in the investigation. C. look for gas cans or other types of containers at the scene. D. take samples of the area and have them tested at a lab.		
4.	During an investigation the investigator nee ignition source and the fuel together. This is A. hypothesis. C. ignition sequence.	s kn B.	•
	Efforts to intentionally damage or destroy a known as: A. sabotage. C. obstructionism.	В.	arson. felony hindrance.
	The final report produced from an investigation must meet the: A. NFPA 921 standard to be acceptable in court. B. requirements of the court that will hear the case. C. NFPA 1033 guidelines, Appendix B. D. requirements of the jurisdiction of the investigator.		
	The top of the page of most drawings or ske A. North C. West	B.	nes is which compass orientation? East South
	Why does it take more heat energy to start dust? A. The 4 × 4 has a higher surface-to-mass B. Dust requires more energy because of t C. The 4 × 4 is able to dissipate the heat fa D. The density of the wood affects the amount	rati he o	o, so it will start faster. density of the fuel. r, which affects its ability to ignite.

9.	Inductive reasoning is most often used during a fire investigation. A. fifth B. sixth C. first D. third	ing t	the step of the scientific process	
10.	Which type of questions is the most effective interview with a witness? A. Closed-ended C. True-false	В.	or works best when conducting an Open-ended Yes-no	
11.	 When considering the geometry of a room and fire development which of the following is the MOST important factor to take into consideration? A. Distance of the walls from each other B. Height of the ceiling in the room C. Distance between windows and doors D. Distance between the top of the windows and the ceiling 			
	 Which of the following statements is CORRECT concerning photographing a fire scene? A. Black-and-white photographs are most effective for a fire scene. B. The person who took the photographs is usually not the same person who presents them in court. C. The best lighting to use on a fire scene is natural light. D. Recording a scene should happen early and often during the investigation. 			
	The NFPA document used to qualify/certify fire investigators is: A. NFPA 921. B. NFPA 1031. C. NFPA 1033. D. NFPA 1035.			
	The most common combustible explosions fuels. A. dust/particle C. oxidizing	В.	those caused by the burning of hydrocarbon carbon	
	Which of the following is a common characteristic of young firesetters? A. Poor grades in school B. Outspoken behavior at home and school C. Broken home/family environment D. Smokes in the home			
	Fuel that escapes from a fuel delivery systeto as: A. expendable fuel. C. disposable fuel.	В.	through containers or piping is referred lost gas. fugitive gas.	

17.	Which of the following fuels has the LOWE A. Hydrogen C. Propane	ST flammability limit (LFL)? B. Natural gas (methane) D. Phosgene	
18.	What material is used in the canister used excess fuel vapors? A. Treated paper C. Carbon fiber	B. Charcoal D. Nylon mesh	
19.	In a residential home the local electrical sor A. transformer. C. service panel.	urce is provided by the: B. electrical meter. D. power lines.	
20.	Factors such as heat source and conditions classification? A. Cause of the fire or explosion B. Cause of bodily injury or loss of life C. Degree of human involvement D. Cause of damage to property	s that result in a fire fit into which "cause"	
21.	 Events that are particularly valuable as a foundation for the timeline or that may have significant relation to the cause or discovery of the fire are referred to as: A. estimated times events. B. soft times events. C. distinguishing events. D. benchmark events. 		
22.	Which of the following is it most difficult to i A. Wood chips C. Moving liquids	dentify the ignition source for? B. Grain dust D. Vapors	
	 Which age group is affected the most during an emergency? A. Middle-age adults B. Teenagers C. Very young and very old D. All age groups are affected during an emergency. 		
24.	Where would an investigator find spalling on a wildland fire? A. Surface of trees B. Surface of bushes C. Surface of rocks D. Surface of mineral soil		
25.	Which one of the following types of constru wood-frame construction? A. Balloon frame C. Plank and beam	ction is used in a majority of modern B. Post and frame D. Platform frame	